

# Texas Department of Public Safety Texas Division of Emergency Management

## Texas State Operations Center



### Situation Awareness Brief



Saturday, December 16<sup>th</sup> 2017  
As of 0900 CST

# Incidents Reported to the State Operations Center (last 24 hours)

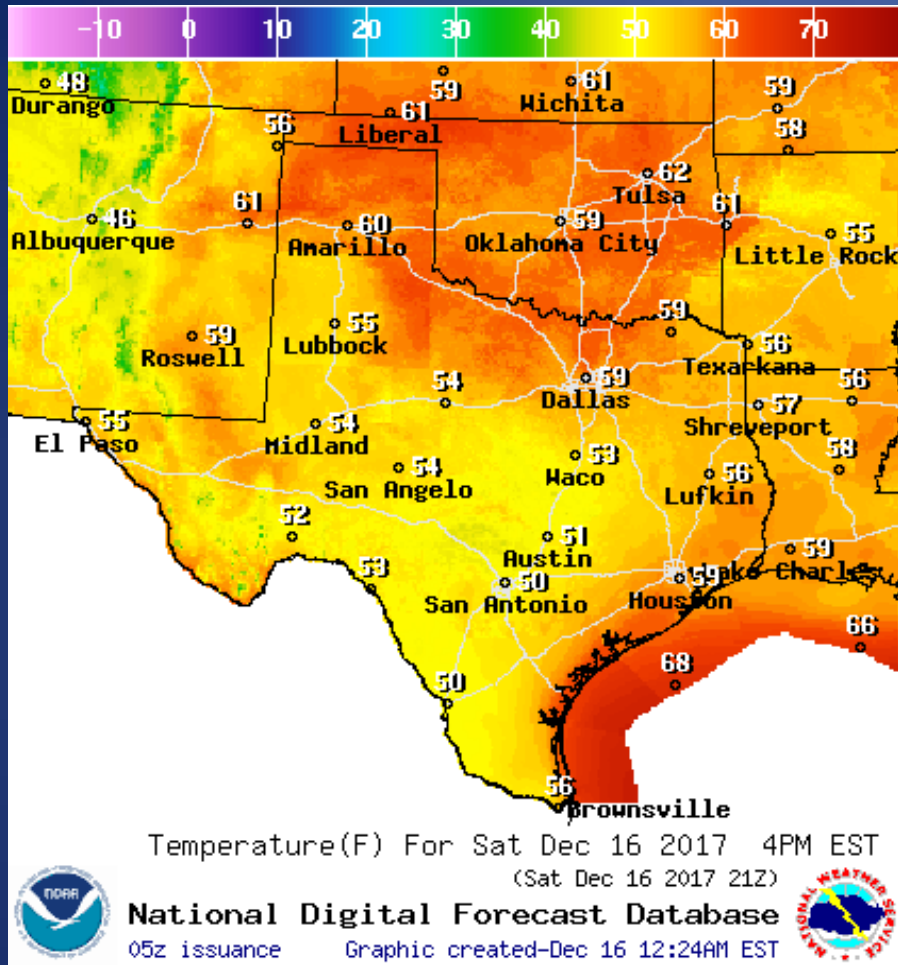
DATE	EVENT / INCIDENT	LOCATION (City/County)	Final Report: Y/N
12/15/17	Update # 3 Report of a Gas Pipeline Rupture	Camp County	N
12/15/17	Initial Report of a Boil Water Notice	Cherokee County	N
12/15/17	Final Report of the Walden Road Fire	Parker County	Y

# Informational Products

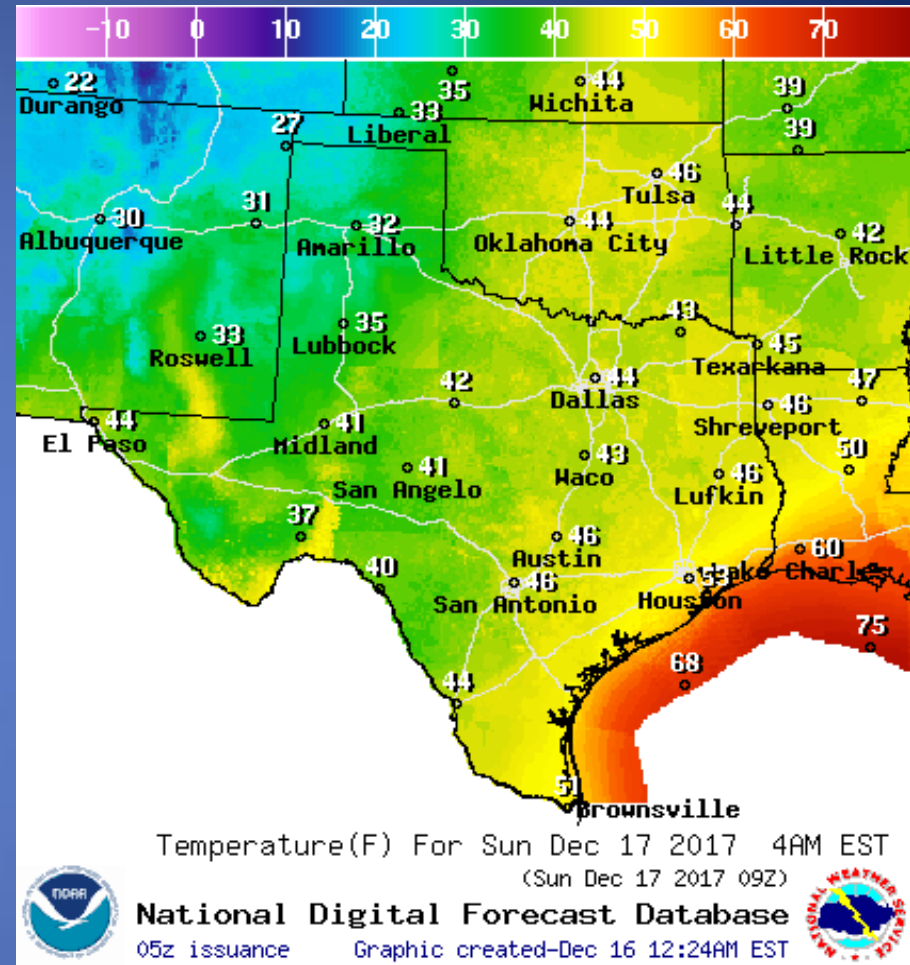
## Distributed by the State Operations Center

DATE	SUBJECT
12/15/17	NWS Midland/Odessa - Hydrologic Statement - Rio Grande
12/15/17	FYSA: FEMA REGION 6 RRCC DAILY SITUATIONAL AWARENESS REPORT
12/15/17	FYSA: NWS UPDATE: Pattern Change Next Week
12/15/17	Texas Winter Wildfire Outlook Webinar
12/15/17	NWS Houston Weather Update: Weekend Storms, Unsettled Weather into Next Week
12/16/17	NWS Houston/Galveston: Saturday weather update
12/16/17	Daily NWS Threat Brief for Saturday, December 16, 2017 for FEMA Region 6

# Weather Forecast

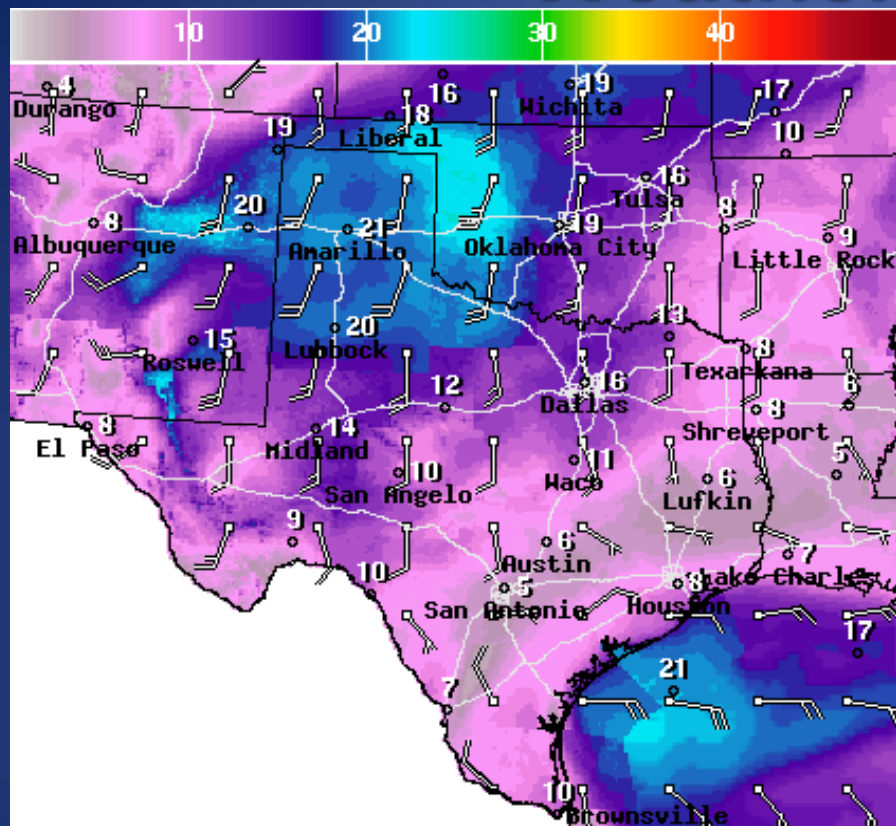


## Highs



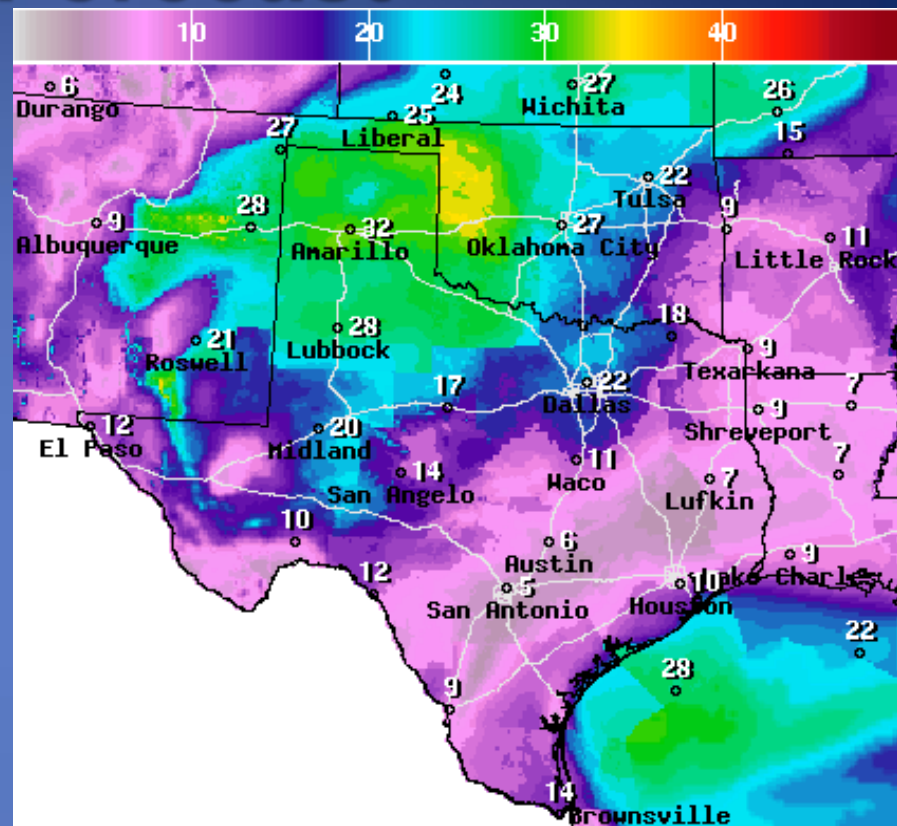
## Lows

# Weather Forecast



WindSpd(Kts) & WindDir For Sat Dec 16 2017 4PM EST  
(Sat Dec 16 2017 21Z)  
National Digital Forecast Database  
05z issuance Graphic created-Dec 16 12:28AM EST

## Wind Speeds



Wind Gust(Kts) Sat Dec 16 2017 4PM EST  
(Sat Dec 16 2017 21Z)  
National Digital Forecast Database  
05z issuance Graphic created-Dec 16 12:30AM EST

## Gusts



# Hazardous Weather

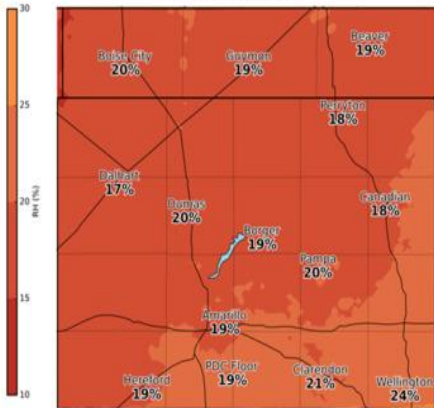


## Elevated Fire Weather Conditions

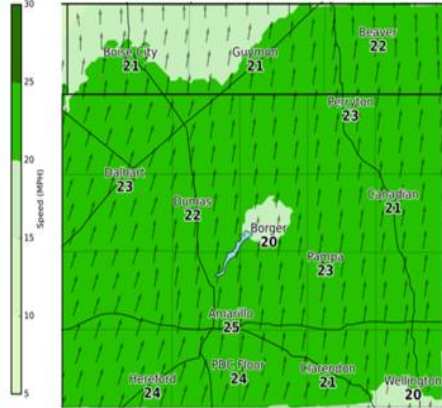
Expected across the Panhandles today

### Forecasted minimum RH percentage

### Forecasted peak winds

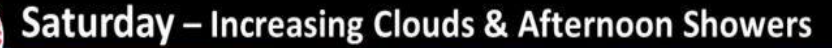


Valid: Saturday, December 16, 2017 at 03 PM CST

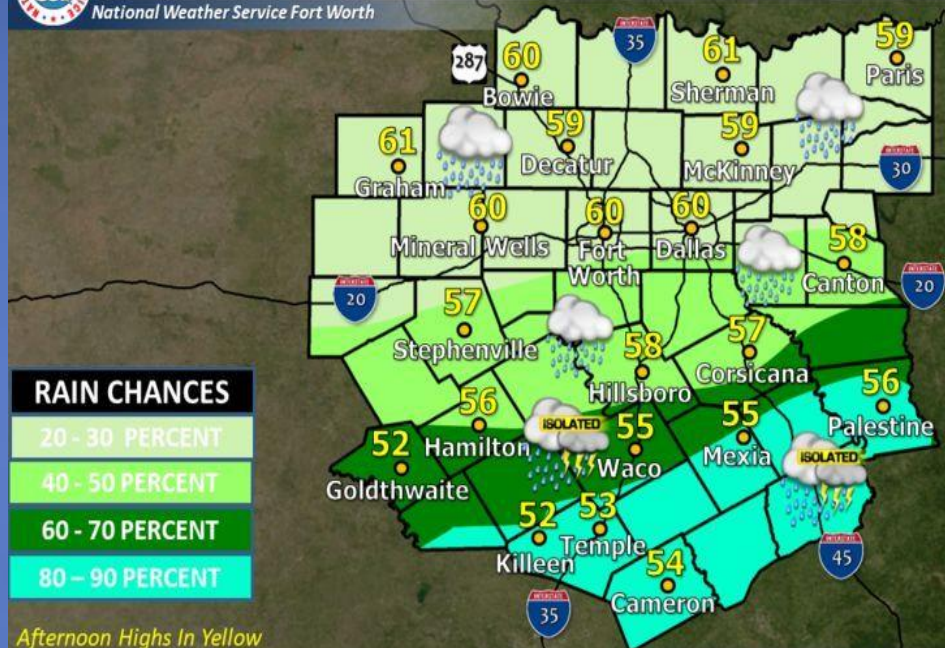


# National Weather Service - Amarillo

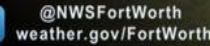
Issued: 12/16/2017 4:26 AM



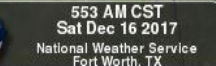
National Weather Service Fort Worth



## Afternoon Highs In Yellow



@NWSFortWorth  
weather.gov/FortWorth



553 AM CST  
Sat Dec 16 2017  
National Weather Service  
Fort Worth, TX

**Elevated Fire Weather conditions are expected across the Panhandles. Please use caution while outdoors today.**

Clouds and rain chances will both increase through the day as a low pressure system approaches from the southwest . Some isolated thunderstorms will be possible across the southern portions of the region this afternoon. High temperatures will range from the lower 50s to around 60.

# Hazardous Weather

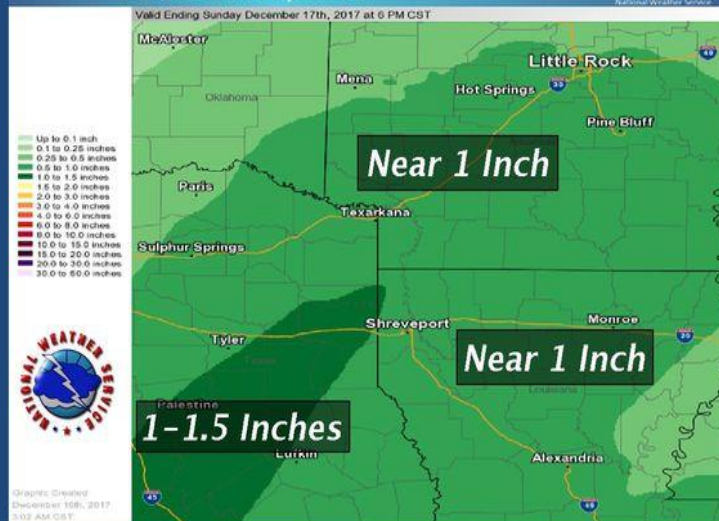


## Forecast Rainfall Amounts late Today through early Sunday.

National Weather Service, Shreveport, LA

Rain will likely begin late this afternoon across portions of Northeast Texas and rapidly spread north and eastward overnight tonight. Rainfall will be heavier overnight before moving out of the region on Sunday.

### Forecast Precipitation



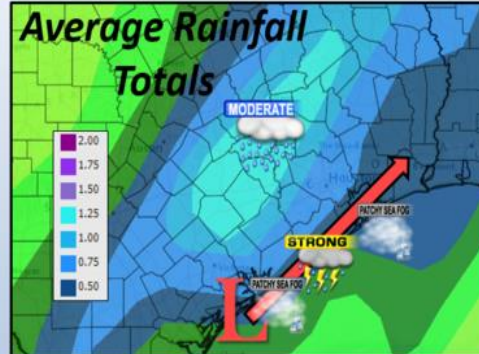
@NWSShreveport | weather.gov/shv

Rain will quickly increase across the entire Four State Region this evening into the overnight hours. Rainfall will be heaviest during the overnight hours. The rain will move east of the Four State Region early Sunday Morning.



## Late This Afternoon and Tonight

National Weather Service Houston/Galveston



### Model representation of what the radar MIGHT look like



### What?

- Low pressure system moving up the coast.

### When?

- Late this afternoon and tonight.
- Narrow window of time for isolated strong to severe storms near the coast – roughly 5 PM to 1 AM.

### Impacts?

#### Inland:

- Minor street flooding in any localized heavier training rainfall. Widespread flooding isn't expected.
- Isolated tornadoes possible near the track of the low.

#### Offshore:

- Elevated winds and seas.
- Isolated waterspouts possible.
- Threat of sea fog outside of any rain.



@NWSHouston

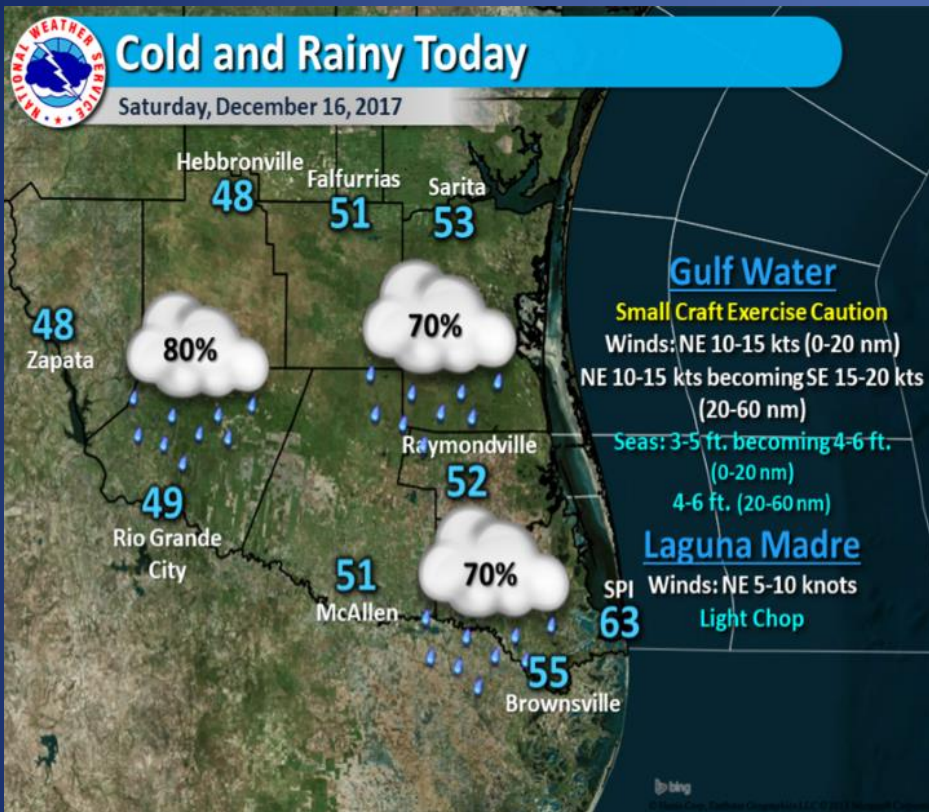
weather.gov/houston

Image 12/16/2017  
Created 6:57 AM

There is the potential for severe weather (mainly tornadoes) along the coastal counties from around 5 PM Saturday to 1 AM Sunday. All of Southeast Texas could see pockets of heavy rainfall.



# Hazardous Weather



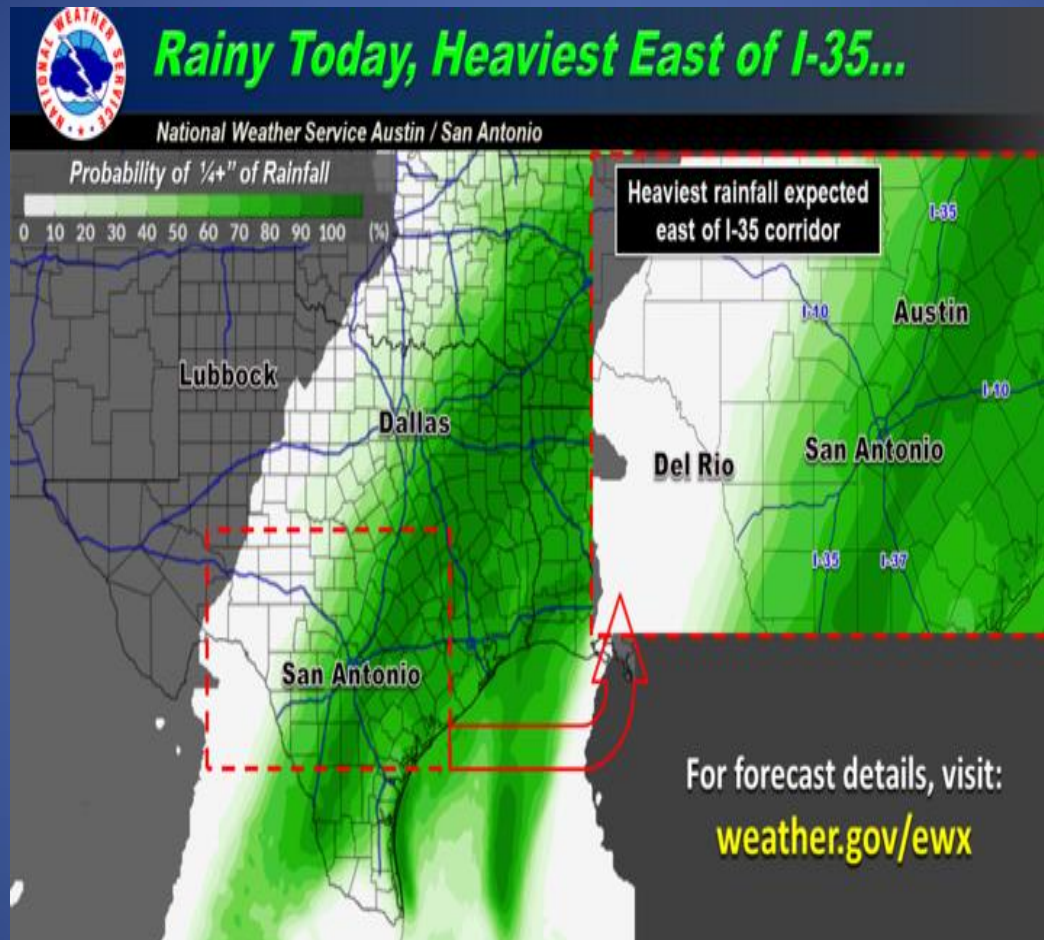
An area of low pressure offshore the lower Texas coast will provide cloudy, cold and rainy conditions across the Rio Grande valley and northern ranchlands today. Winds will be from the northwest at 10 to 15 mph with stronger winds along the coastal sections of deep South Texas. Small craft should exercise caution offshore the lower Texas coast this afternoon for elevated winds and seas.



Showers will spread across the region from west to east today. An isolated thunderstorm will be possible amongst the rain showers. Temperatures will remain cool under overcast skies. A Small Craft Advisory is in effect for this afternoon into this evening.



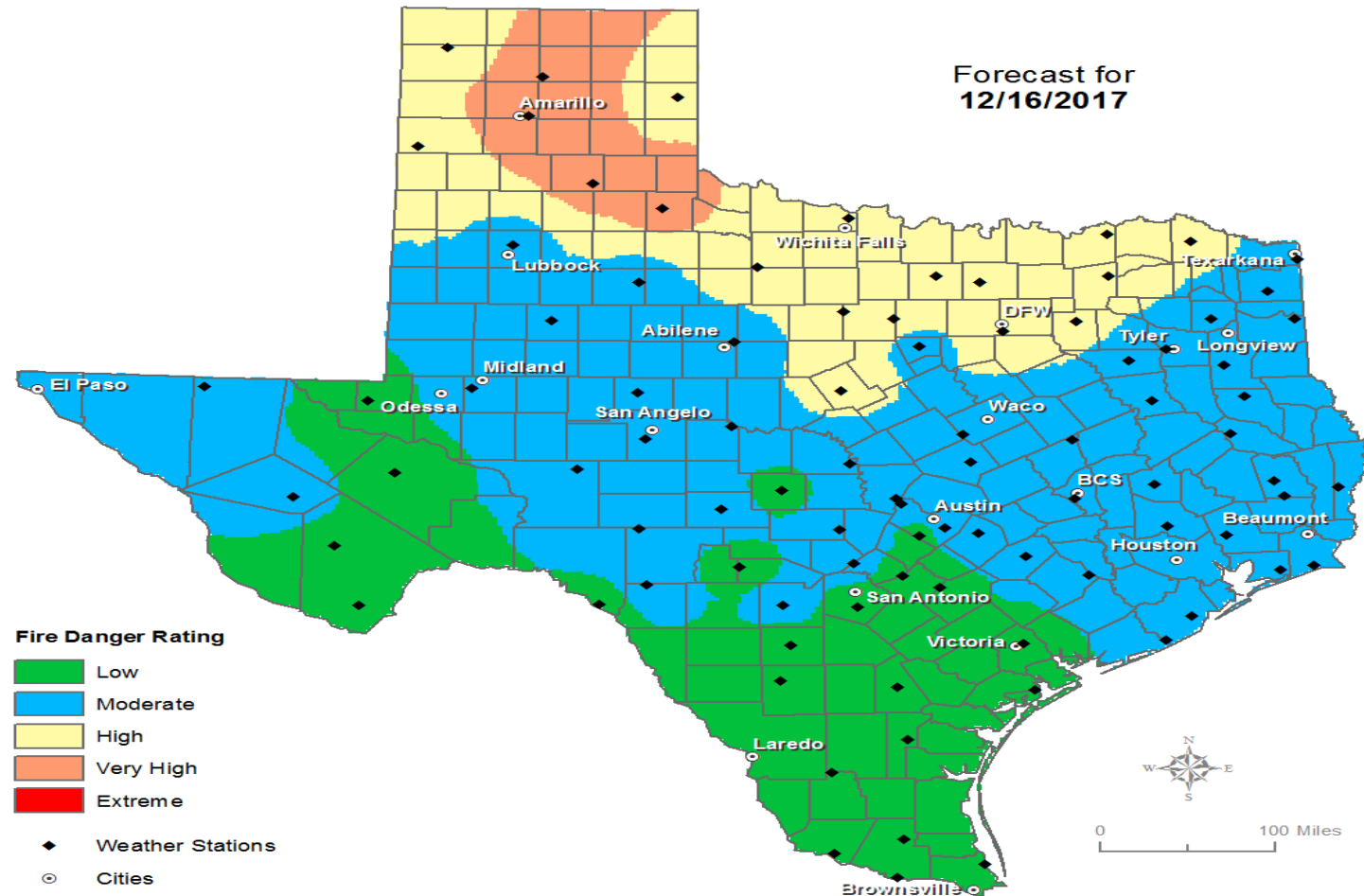
# Hazardous Weather



Widespread rainfall is expected to develop this morning along the Rio Grande and South Texas and push northeastward across much of the state of Texas. Some periods of locally heavy rainfall may be possible, mainly east of the I-35 corridor, but no major flooding impacts are expected.

# Fire Danger Forecast

## Forecast Fire Danger



# Burn Bans and KBDI INDEX

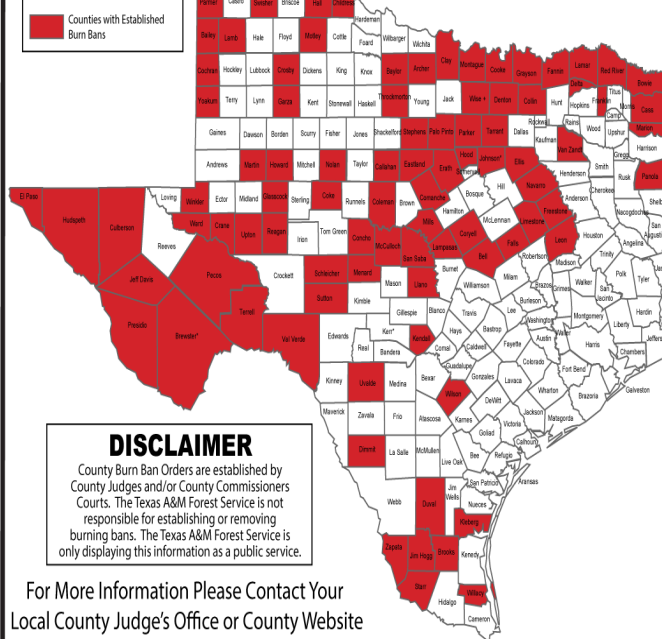
## OUTDOOR BURN BANS

December 15, 2017



Counties without Established Burn Bans  
Counties with Established Burn Bans

Email updates to:  
[burnban@tfs.tamu.edu](mailto:burnban@tfs.tamu.edu)



### DISCLAIMER

County Burn Ban Orders are established by County Judges and/or County Commissioners Courts. The Texas A&M Forest Service is not responsible for establishing or removing burning bans. The Texas A&M Forest Service is only displaying this information as a public service.

For More Information Please Contact Your  
Local County Judge's Office or County Website

RED FLAG WARNINGS: [www.weather.gov](http://www.weather.gov)  
Burn Ban RSS feed available at <http://tfsfrp.tamu.edu/wildfires/BurnBan.xml>

### Counties with Burn Bans: 102

Archer  
Armstrong  
Bailey  
Baylor\*  
Bell  
Bowie  
Brewster  
Brooks  
Callahan  
Carson  
Cass  
Childress  
Clay  
Cochran  
Coke  
Coleman  
Collin\*  
Comanche  
Concho  
Cooke  
Coryell  
Crane  
Crosby  
Culberson  
Deaf Smith  
Delta  
Denton  
Dimmit  
Duval  
Eastland  
El Paso  
Ellis  
Erath  
Falls  
Fannin  
Franklin  
Freestone  
Garza  
Glasscock  
Gray  
Grayson  
Hall  
Hemphill  
Hood  
Howard  
Hudspeth  
Hutchinson  
Jeff Davis  
Jim Hogg  
Johnson\*

Kendall  
Kleberg  
Lamar  
Lamb  
Lampasas  
Leon  
Limestone  
Llano  
Marion  
Martin  
McCulloch  
Menard  
Mills  
Montague  
Moore  
Motley  
Navarro  
Nolan  
Oldham  
Palo Pinto  
Panola  
Parker  
Parram  
Pecos  
Potter  
Presidio  
Randall  
Reagan  
Red River  
Roberts  
San Saba  
Schleicher  
Sherman  
Starr  
Stephens  
Sutton  
Swisher  
Tarrant  
Terrell  
Throckmorton  
Upton  
Uvalde  
Val Verde  
Van Zandt  
Ward  
Wheeler  
Willacy  
Wilson  
Winkler\*

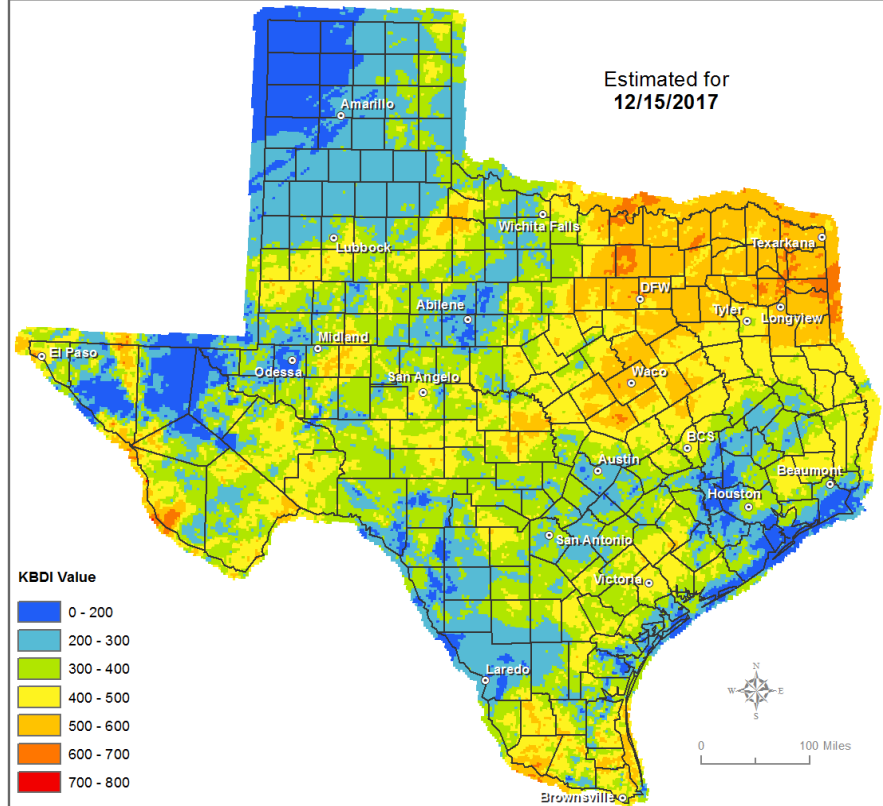
Yoakum  
Zapata

\* - Burn Ban in effect during a Red Flag Warning day  
\* - Burn Ban in effect check with County for specifics

## Keetch-Byram Drought Index

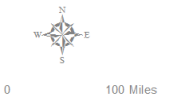
(4 km x 4 km resolution)

Estimated for  
12/15/2017



### KBDI Value

0 - 200  
200 - 300  
300 - 400  
400 - 500  
500 - 600  
600 - 700  
700 - 800



TEXAS A&M  
AGRI LIFE  
RESEARCH

Produced by TAMU Spatial Sciences Laboratory  
in partnership with Texas A&M Forest Service

TEXAS A&M  
FOREST SERVICE



# Fire Weather Warnings/Watches/Statements

DATE	WARNING TYPE	LOCATION
12/16/17	Fire Danger Statement	Archer, Armstrong, Baylor, Carson, Collingsworth, Dallam, Deaf Smith, Donley, Foard, Gray, Hansford, Hardeman, Hartley, Hemphill, Hutchinson, Knox, Lipscomb, Moore, Ochiltree, Oldham, Potter, Randall, Roberts, Sherman, Wheeler, Wichita and Wilbarger Counties

# Fire Activity (\*Last 24 Hours)

Reports 877 (+5) fires and 664,316 (+98) acres destroyed this year. There are 102 (+3) counties with burn bans. The Keetch-Byram Drought Index list 88 (-3) counties with an average over 400.

